Sterne Kessler Andre **Goldstein Fox**

ATTORNEYS AT LAW



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*Admitted only in Maryland * Admitted only in Virginia • Practice Limited to Federal Agencies

January 13, 2004

WRITER'S DIRECT NUMBER: (202) 772-8637 **INTERNET ADDRESS:** KARENM@SKGF.COM

Art Unit 1642

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/720,086; 102(e): July 23, 2001

De novo DNA Cytosine Methyltransferase Genes, Polypeptides and

Uses Thereof

Inventors:

Li et al.

Our Ref:

0609.4560002/JAG/KRM/DJN

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Information Disclosure Statement Under 37 C.F.R. § 1.97(c);
- 2. Fee Transmittal (Form PTO/SB/17);
- 3. Form PTO-1449 (16 sheets citing documents AA1, AL1, and AR1-16);
- Copies of documents AA1, AL1, and AR1-AR16; 4.
- 5. PTO-2038 Credit Card Payment Form for \$ 180.00 to cover: \$180.00 Submission of Information Disclosure Statement;
- 6. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLL.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents January 13, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Karen R. Markowicz Agent for Applicants Registration No. 36,351

KRM/DJN/cjs Enclosures

215923.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Li et al.

Appl. No. 09/720,086

102(e): July 23, 2001

For: *De novo* DNA Cytosine
Methyltransferase Genes,
Polypeptides and Uses Thereof

Confirmation No. 6968

Art Unit: 1642

Examiner: Harris, A.M.

Atty. Docket: 0609.4560002/JAG/KRM/DJN

Information Disclosure Statement under 37 C.F.R. § 1.97(c)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each document is also provided.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

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This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Karer R. Martionous

Karen R. Markowicz Agent for Applicants

Registration No. 36,351

Date: 1/13/04

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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Approved for use through 07/31/2006. OMB 0651-0032
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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Name (Print/Type)

Karen R. Markowicz

| Application Number 09/720,086 Filing Date (102(e)) July 23, 2001 First Named Inventor Li et al. Examiner Name Harris A.M. Art Unit 1642 | | |
|---|--------------------------|--|
| Application Number | 09/720,086 | |
| Filing Date | (102(e)) July 23, 2001 | |
| First Named Inventor | Li et al. | |
| Examiner Name | Harris A.M. | |
| Art Unit | 1642 | |
| Attorney Docket No. | 0609 4560002/IAG/KRM/DIN | |

Telephone

36,351

(202) 371-2600

| METHOD OF PAYMENT (check all that apply) | | | | FE | E CALCULATION (continued) | |
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| Number Deposit | 1051 | 130 | 2051 | | Surcharge - late filing fee or oath | |
| Account Sterne Kessler, Goldstein & Fox P.L.L.C. | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| Name The Director is authorized to: (check all that apply) | 1053 | 130 | 1053 | 130 | Non-English specification | |
| Charge fee(s) indicated below Credit any overpayments | 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| Charge any additional fee(s) or any underpayment of fee(s) | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| Charge fee(s) indicated below, except for the filing fee | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| to the above-identified deposit account. | 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| FEE CALCULATION | 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 1. BASIC FILING FEE | 1253 | 950 | 2253 | | Extension for reply within third month | |
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| 1001 770 2001 385 Utility filing fee | 1255 | • | 2255 | ., | Extension for reply within fifth month | i |
| 1002 340 2002 170 Design filing fee | 1401 | 330 | 2401 | | Notice of Appeal | |
| 1003 530 2003 265 Plant filing fee | 1402 | 330 | 2402 | | Filing a brief in support of an appeal | |
| 1004 770 2004 385 Reissue filing fee | 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 1005 160 2005 80 Provisional filing fee | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| SUBTOTAL (1) (\$) | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | |
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| Extra Claims below Fee Paid Total Claims 20 **= X = | 1502 | 480 | 2502 | 240 | Design issue fee | |
| Independent 20 To | 1503 | 640 | 2503 | 320 | Plant issue fee | |
| Claims X = X = X Multiple Dependent | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| · · · | 1807 | 50 | 1807 | 7 50 | Processing fee under 37 CFR 1.17(q) | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description | 1806 | 180 | 1806 | | Submission of Information Disclosure Stmt | 180.00 |
| Code (\$) Code (\$) | 8021 | 40 | 8021 | 1 40 | Recording each patent assignment per property (times number of properties) | |
| 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1203 290 2203 145 Multiple dependent claim, if not paid | 1810 | 770 | 2810 | 1 205 | For each additional invention to be | |
| 1204 86 2204 43 ** Reissue independent claims | 1010 | 770 | 2010 | , 303 | examined (37 CFR 1.129(b)) | |
| over original patent | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent | 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
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Signature WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Registration No.





INFORMATION DISCLOSURE STATEMENT

| ATTY. DOCKET NO. 0609.4560002/JAG/KRM/DJN | APPLICATION NO. 09/720,086 |
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| APPLICANT Li et al. | |
| 102(e) July 23, 2001 | GROUP 1642 |

| | | | | | July 23, 2001 | | 1642 | |
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| | AA1 | 5,57 | 78,716 | 11/26/1996 | Szyf et al. | | | 12/01/1993 |
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| | AR | <u>1</u> | | erases," <i>Nucl</i> | tic properties of <i>d</i> . <i>Acids Res. 29</i> :350 | | | |
| | AS | 1 | Ariel, M., et | t al., "Gamet ist gene," <i>Na</i> | e-specific methylat t. Genet. 9:312-315 | ion correla , Nature Pu | tes with imp blishing Gro | printing of oup (1995) |
| | AT | 1 | Exhibit Uniqu | e Localizati 287, The Amer | nmt3a and Dnmt3b Ar on Properties to He ican Society for Bi | terochromat. | in," J. Bio. | l. Chem. |
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| 102(e) July 23, 2001 | GROUP 1642 |

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| | AR | . 2 | Baylin, S.B. | , et al., "Al | lterations in DNA Methy Res. 72:141-196, Academ | lation: . | A Fundamenta | |
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INFORMATION DISCLOSURE STATEMENT

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| 102(e) July 23, 2001 | GROUP 1642 |

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| | AR | <u>3</u> | Brandeis, M., et al., "The ontogeny of allele-specific methylation associated with imprinted genes in the mouse," <i>EMBO J.</i> 12:3669-3677, Oxford University Press (1993) | | | | | | | | |
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| | 102(e) July 23, 2001 | GROUP 1642 |

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| | AS | 4 | Cheng, X., "S Biophys. Bion | Structure and mol. Struct. | function of DNA methylt 24:293-318, Annual Revie | transfe: ews, Inc | rases," <i>Annu</i> c. (1995) | ı. Rev. |
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4560002/JAG/KRM/DJN APPLICATION NO. 09/720,086

APPLICANT

Li et al.

102(e) July 23, 2001 GROUP 1642

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INFORMATION DISCLOSURE STATEMENT

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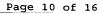




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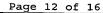


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| | AM | <u> </u> | | <u> </u> | | | <u> </u> ! | No |
| | AN | | | | | l' | | Yes No |
| | AO | | | | , | | | Yes No |
| | | | | | | | | Yes |
| | AP | | Tagledin. | - 2 | The Parks Parks and Park | | <u> </u> | No |
| | AR 16 International Search Report for International Application No. PCT/US99/14373, mailed December 10, 1999, European Patent Office, Netherlands | | | | | | | JS99/14373, |
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